

DRILLING LOG		DIVISION South Atlantic	INSTALLATION Jacksonville District	SHEET 1 OF 2 SHEETS
1. PROJECT Duval County FL BEC East of Borrow Area A		9. SIZE AND TYPE OF BIT See Remarks		
2. BORING DESIGNATION CB-DUC04-04		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.		11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure		
4. NAME OF DRILLER James F. Cole		12. TOTAL SAMPLES 4		
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		13. TOTAL NUMBER CORE BOXES 1		
6. THICKNESS OF OVERBURDEN N/A		14. ELEVATION GROUND WATER Tidal		
7. DEPTH DRILLED INTO ROCK N/A		15. DATE BORING 04-17-04		
8. TOTAL DEPTH OF BORING 19.8 Ft.		16. ELEVATION TOP OF BORING -62.2 Ft.		
		17. TOTAL RECOVERY FOR BORING 95 %		
		18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i>		

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-62.2	0.0						-62.2		
			SAND, silty, some fine-grained sand-sized quartz, little fine-grained sand-sized carbonate, trace angular shell up to 1", strong reaction with HCl, wet, 10BG 7/1 light greenish gray (SM)	100			Vibrocure		
				100	1		Vibrocure		
				100			Vibrocure		
				100	2		Vibrocure		
				100			Vibrocure		
-71.2	9.0		SILT, inorganic-L, low plasticity, very soft, some subrounded fine-grained sand-sized quartz, trace fine-grained sand-sized carbonate, weak reaction with HCl, wet, weak cementation, 5Y 4/3 olive (ML)	100			Vibrocure		
				100	3		Vibrocure		
				100			Vibrocure		
-76.2	14.0		SAND, silty, some fine-grained sand-sized quartz, trace fine-grained sand-sized carbonate, strong reaction with HCl, wet, weak						

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																		
PROJECT Duval County FL BEC			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	VERTICAL MLLW																		
LOCATION COORDINATES X = 421,258 Y = 2,189,040			ELEVATION TOP OF BORING -62.2 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
			cementation, 5Y 4/3 olive (SM)	100	4		Vibracore																	
-81.0	18.8			74			Vibracore																	
-82.0	19.8	NR																						
			NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. Laboratory Testing Results <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.0/2.0</td> <td>SM*</td> </tr> <tr> <td>2</td> <td>6.0/7.0</td> <td>SM*</td> </tr> <tr> <td>3</td> <td>11.0/12.0</td> <td>ML*</td> </tr> <tr> <td>4</td> <td>15.0/16.0</td> <td>SM*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits. 3. Additional Laboratory Testing 1 Specific Gravity	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.0/2.0	SM*	2	6.0/7.0	SM*	3	11.0/12.0	ML*	4	15.0/16.0	SM*						
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